

**METHODS OF INHIBITING BINDING OF
β-SHEET FIBRIL TO RAGE AND CONSEQUENCES THEREOF**

Abstract of the Disclosure

5 This invention provides a method of inhibiting the binding
of a β-sheet fibril to RAGE on the surface of a cell which
comprises contacting the cell with a binding inhibiting
amount of a compound capable of inhibiting binding of the
10 the β-sheet fibril to RAGE. In one embodiment the β-sheet
fibril is amyloid fibril. In one embodiment, the compound
is sRAGE or a fragment thereof. In another embodiment, the
compound is an anti-RAGE antibody or portion thereof. This
invention provides the above method wherein the inhibition
15 of binding of the β-sheet fibril to RAGE has the
consequences of decreasing the load of β-sheet fibril in
the tissue, inhibiting fibril-induced programmed cell
death, inhibiting fibril-induced cell stress. This
invention also provides methods of determining whether a
20 compound inhibits binding of a β-sheet fibril to RAGE on
the surface of a cell.

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